

Application No. :10/662,158

Title: FIREWORKS ARTILLERY SHELL

Amendment Responsive to Office Action dated: July 14, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A consumer fireworks artillery shell comprising:
 - a casing comprised of paper;
 - a lift charge received in the casing, wherein the weight of the lift charge is between about 5 grams and 12 grams;
 - an ignition fuse extending from the exterior of the casing into the lift charge whereby the ignition fuse may ignite the lift charge to propel the casing into the air;
 - an effects charge received in the casing, the effects charge including a bursting charge having a weight between about 5 grams and 11 grams;
 - a lower seal of sealing material received in the casing and in sealing engagement therewith, and positioned below the effects charge and between and separating the lift charge and the effects charge;
 - a timing fuse extending through the lower seal, received within the casing, and operatively connecting the lift charge and the effects charge; and
 - an upper seal of sealing material received in the casing and in sealing engagement therewith above the effects charge and opposite the lower seal[,];
 - a paper wafer positioned between the lower seal and the effects charge;
 - a paper wafer positioned between the upper seal and the effects charge; and

a paper wrapper substantially surrounding and enclosing said casing including said lift charge and said effects charge, said ignition fuse extending through said paper wrapper and into said casing for ignitably communicating with said lift charge;

said lower seal and upper seal being provided of a substantially incombustible material which seals against the casing.

2. (cancelled)
3. (cancelled)
4. (original) A fireworks artillery shell as set forth in claim 1, wherein the casing is a cylindrical paper tube.
5. (original) A fireworks artillery shell as set forth in claim 4, wherein the tube is substantially seamless and imperforate in the area between the upper seal and the lower seal.
6. (original) A fireworks artillery shell as set forth in claim 4, wherein the tube has an upper end and a lower end, and the upper seal extends substantially across the upper end and the lift charge extends substantially across the lower end.
7. (original) A fireworks artillery shell as set forth in claim 1, wherein the sealing material is clay.

8. (withdrawn) A method of making a fireworks artillery shell comprising the steps of:

providing a tubular casing and placing an effects charge therein;

sealing the effects charge within the casing by placing an upper seal across the casing above the effects charge and a lower seal with a timing fuse passing therethrough and into the effects charge across the casing below the effects charge;

inserting a lift charge into the casing below the lower seal with the timing fuse in operative communication with both the effects charge and the lift charge; and

placing an ignition fuse in communication with the lift charge.

9. (Withdrawn) A method of making a fireworks artillery shell as set forth in claim 8, wherein the upper seal and the lower seal are provided of clay, and further including the step of compressing the clay against the effects charge and the casing.